

DEEP LOREAN



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The DEEP LOREAN is a remote controlled unmanned purpose-built hydrographic survey vessel, owned and operated by DEEP.

The USV can be deployed for various projects related to hydrographic, geophysical and environmental surveys as it can be equipped with several survey transducers and other measurement devices.

Controlling the vessel is done either by a hand-held remote control unit, when the operator is in sight of the vessel and in the surrounding area, or by means of a VCS system, where the operator is located in the control room at DEEP's office.

It is transported on a trailer and launchable either from a trailer ramp or lowered into the water using a crane with the dedicated LARS. This makes it the perfect tool for difficult to access or otherwise inaccessible locations.

General vessel information		Survey equipment	
Vessel name	Deep Lorean	GNSS	Applanix Ocean Master
Type	Uncrewed survey vessel	MRU/Gyro	Ixblue Octans IV
Owner	Deep BV	MBES	R2Sonic 2024
Operator	Deep BV	SBP	Innomar Standard
Builder	Maritime Robotics		
Classification	-		
Flag	Dutch		
*survey equipment can vary per project based on local conditions or client requirements.			

Main characteristics		Machinery	
Length O.A.	6.00 meter	Engines	Yanmar 4LV150 / 2x Torqeedo Cruise 2.0 electrical
Breath	2.05 meter	Output	150 HP / 20 HP
Draft	0.60 meter	Propulsion	waterjet / 2x Torqeedo propellor
Gross Tonnage	2.5	Endurance	
Maximum speed	20 kts	Engine	Engine 50 h at 5 kts
Cruising speed	4 kts	Electrical	Electrical 6 h at 4 kts
Moonpools	1 (dual sensor)		
A-Frame	N.A.		
Hydraulic Crane	N.A.		

